INSTALLATION/OPERATION

500 Series Flat Panel LCD Monitors

C2937M-A (5/07)

Contents

Important Safety Instructions 5

Regulatory Notices 6

Description 7
- Models 7
- Speakers 7
- Package Contents 8

Installation 9
- Mounting 9
- Desktop Stand 9
- Rear Panel Connectors 10

Operation 11
- Front Panel Controls 11
- Installing Remote Control Batteries 12
- Remote Control Functions 13
- Menus 14
  - Video 1, Video 2, S-Video Component Mode Menu 15
  - RGB/DVI Mode Menu 17

Maintenance 19
- Cleaning 19
- Troubleshooting 19
  - Intermittent Loss of Video in PIP/PBP and Main Video 19
  - The Subpicture and the Main Video Intermittently Show the Same Input 19
  - A Second Menu Appears After Ten Seconds and Overlaps the Main Menu 19

Supported Input Modes 20

Specifications 21

List of Illustrations

1 Parts List Illustration 8
2 Rear Panel Connectors 10
3 Front Panel Controls 11
4 Battery Installation 12
5 Remote Control Functions 13
6 Video 1, Video 2, S-Video, Component Mode Menu 15
7 RGB/DVI Mode Menu 17

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one blade wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the points where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Only use with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Unplug the apparatus during lightning storms or when unused for long periods of time.
15. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.
16. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
17. Installation should be done only by qualified personnel and conform to all local codes.
18. Unless this unit is specifically marked as NEMA Type 3, 3R, 3S, 4, 4X, 6, or 6P enclosure, it is designed for indoor use only and it must not be installed where exposed to rain and moisture.
19. Only use installation methods and materials capable of supporting four times the maximum specified load.
20. Only use replacement parts recommended by Pelco.
21. Avoid touching the screen directly with your fingers as the oils from your skin may be difficult to remove from the LCD.
22. Do not apply direct pressure on the screen.
23. Keep the monitor in a dust-free environment and away from strong electromagnetic fields.
24. Do not use attachments, such as mounts, that are not recommended by Pelco. They may be hazardous.
25. Do not place the monitor on an unstable stand, bracket, or mount. The unit may fall, causing serious damage to the unit or injury to a person. Only use mounts recommended by Pelco.
26. A CCC-approved power cord must be used to power this equipment when used in China.
27. A still image displayed too long may cause permanent damage to the LCD panel. Watching the LCD in 4:3 format for a long time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen. Using a camera or a system may cause a similar effect to the screen. Damages caused by this effect are not covered by the warranty.

The product and/or manual may bear the following marks:

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit

CAUTION:
RISK OF ELECTRIC SHOCK. DO NOT OPEN.

Regulatory Notices

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RADIO AND TELEVISION INTERFERENCE

This equipment has been tested and found to comply with the limits of a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes and Modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission's rules.

In order to maintain compliance with FCC regulations shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and television reception.

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Description

The 500 Series high performance LCD monitors are designed specifically for the security industry and provide high quality display of video or computer signals using multiple inputs. Adjustments of standard monitor display parameters are made using user-friendly, on-screen menus and front panel controls.

For viewing multiple cameras simultaneously in high-definition quality on the LCD monitor, Pelco recommends using PMVC4 and PMVR2 multiviewers. The PMVC4 can accept up to four composite inputs while the PMVR2 can accept up to two DVI or VGA inputs. Both models can be mixed and matched and cascaded together (daisy chained) to put as many as 60 images of varying window sizes on the screen in clear HD quality. This method eliminates the need of having multiple CRTs or smaller LCD monitors in racks to monitor security video. One or two LCD monitors and a number of multiviewers can accomplish the same with less space, less energy, and more versatility.

MODELS

PMCL523	23-inch (583 mm) active TFT LCD monitor
PMCL526	26-inch (660 mm) active TFT LCD monitor
PMCL532	32-inch (800 mm) active TFT LCD monitor
PMCL537	37-inch (940 mm) active TFT LCD monitor
PMCL542	42-inch (1,067 mm) active TFT LCD monitor

SPEAKERS

Speakers are optional with the 26-, 32-, 37-, and 42-inch models. The external speakers attach to the sides of the monitor. The speaker model numbers are as follows:

- PMCL526-SPKRS for the 26-inch LCD monitor
- PMCL532-SPKRS for the 32-inch LCD monitor
- PMCL537-SPKRS for the 37-inch LCD monitor
- PMCL542-SPKRS for the 42-inch LCD monitor

PACKAGE CONTENTS

1 23-, 26-, 32-, 37-, or 42-inch TFT LCD monitor with attached stand (removable)
1 US standard power cord
1 EU standard power cord
1 DVI cable
1 VGA cable with 15-pin D-sub connection
1 Remote control unit
2 AAA batteries
1 Installation/Operation manual

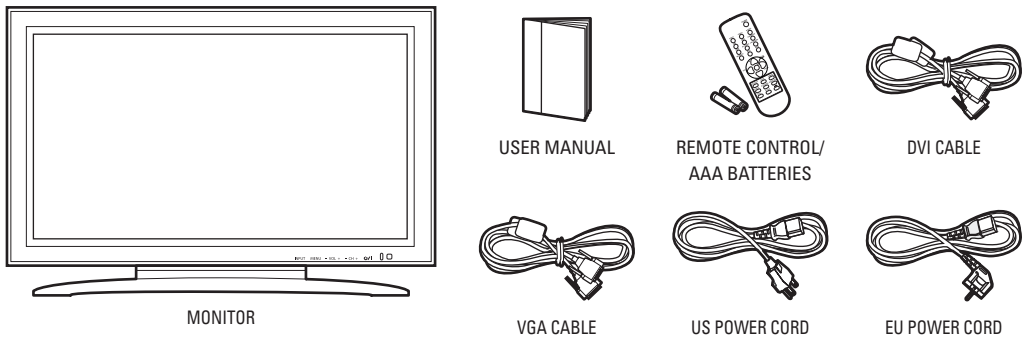

Figure 1. Parts List Illustration

NOTE: The PMCL526 ships with the PMCL-V100 adapter; the PMCL532 ships with the PMCL-V200 adapter.

Installation

MOUNTING

The monitor can be placed on any flat surface (desk or table), or it can be wall mounted.

NOTE: Only use a recommended Pelco mount for these LCD monitors.

- For the 23-, 26-, and 32-inch models, Pelco recommends the PMCL-WMT tilt wall mount, the PMCL-CM or PMCL-CMP ceiling mount, and the PMCL-WM1A or PMCL-WM2A articulating wall mounts. The 26- and 32-inch model LCD monitors ship with an adapter plate that will make these mounts compatible.
- The 37- and 42-inch models use a PMCP-WM wall mount or the PMCL-CM or PMCL-CMP ceiling mount. The ceiling mount requires a PMCL-VA adapter plate for the 37- and 42-inch models. Check the Pelco Web site (www.pelco.com) or ask a sales representative for available newer mounts as of the publication date of this manual.

DESKTOP STAND

You can remove the desktop stand by removing the screws.

REAR PANEL CONNECTORS

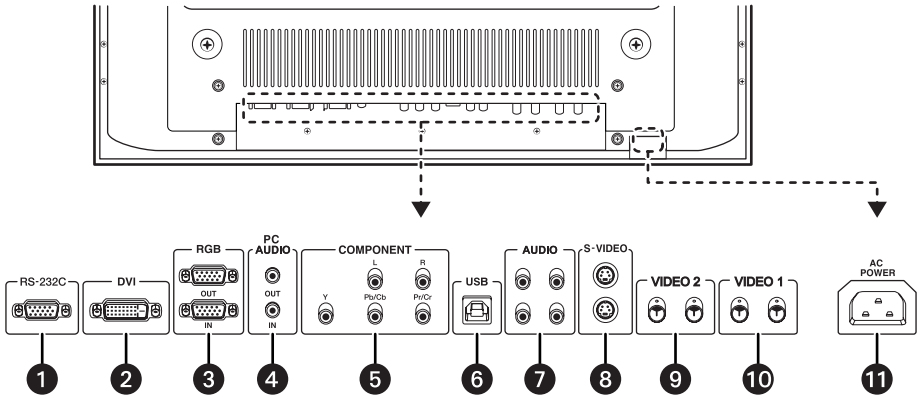

Figure 2. Rear Panel Connectors

1. **RS-232C:** For authorized service use.
2. **DVI:** Connection to digital video signals from a computer or any Pelco device with DVI output, especially PMVC4 and PMVR2 multiviewers.
3. **RGB (VGA):** (Loop through is disabled; for future use.) Connection to RGB (VGA) output of a computer or any Pelco device with VGA output, especially PMVC4 and PMVR2 multiviewers.
4. **PC Audio (loop through):** Stereo mini jack input to be used in conjunction with the RGB input from a DVR or a multiviewer. Audio loops through the stereo mini jack output.
5. **Component:** Auto-detecting component video inputs (Y/Pb/Pr or Y/Cb/Cr) for connecting to the component output jacks of a DVD player.
6. **USB:** Feature is disabled; for future use.
7. **Audio (loop through):** Mono/stereo RCA audio inputs. (Each input is mono, but together they are stereo.)
8. **S-Video (loop through):** Connection of S-Video signals from external sources such as VCRs or DVD players. Video loops through the four-pin DIN S-Video output.
9. **Video 2 (loop through):** Input connections from DVD players or time-lapse VCRs. Video loops through the BNC video output.
10. **Video 1 (loop through):** Input connections from DVD players or time-lapse VCRs. Video loops through the BNC video output.
11. **AC Power:** Power receptacle, which can be connected to a 100-240 VAC, 50/60 Hz source.

NOTES: RGB is also referred to as VGA or PC connector in the video security market. We use the term RGB in this manual, in the menu, and on the remote control. The RGB connector is a D-sub 15-pin female plug. RGB is analog but provides a clear, sharp picture. It can carry either standard or HDTV formats.

Component is not commonly used in the video security industry. It uses three RCA cables: red, green, and blue for better color separation and a superior picture over composite. Component is an analog format that can carry standard and high-definition video and is most commonly found on DVD players. To receive audio, you must connect the DVD output to the audio input.

DVI (Digital Video Interface) provides the best picture. It is used in Pelco products such as Endura™, PMVR2, PMVC4, PL outputs, DVD players, and satellite boxes. Since the signal received and monitor are both digital, no conversion occurs to degrade the signal. Pelco recommends using multiviewers (PMVR2, PMVC4) with the 500 Series monitors using DVI. The 500 Series uses a DVI-D interface, so DVI-I cables will not work. DVI can carry either standard or HDTV formats.

Operation

FRONT PANEL CONTROLS

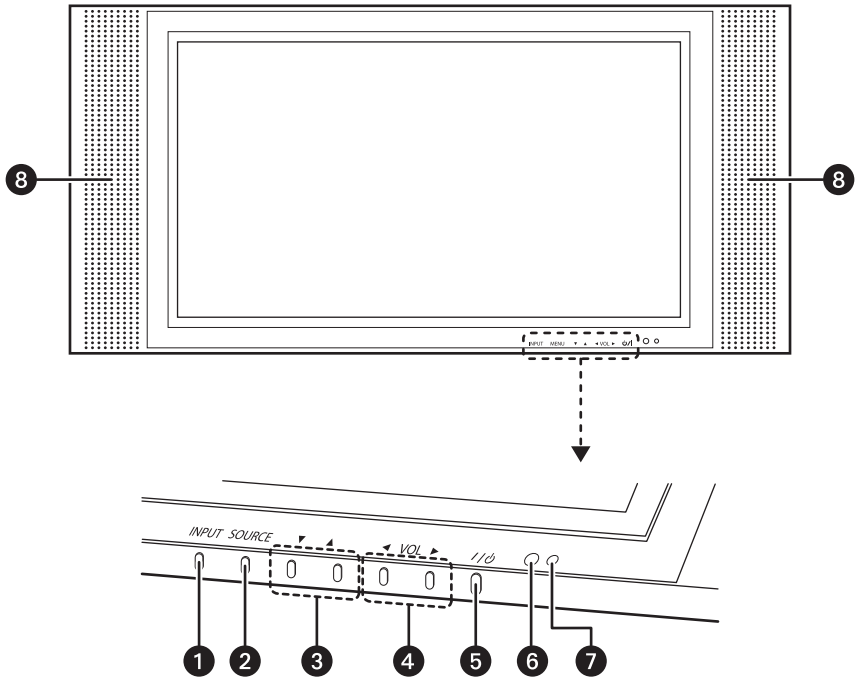

Figure 3. Front Panel Controls

1. **Input:** Displays the main on-screen menu.
2. **Source:** Selects the input source and confirms your choice.
3. ▲ and ▼ **:** Navigates through the on-screen menu.
4. **Vol:** Increases (▶) or decreases (◀) the volume. Also selects or adjusts items on the on-screen menu.
5. **(power standby button):** Turns on/off the monitor.
6. **(power indicator):** Indicates power status. Red means the power is off, green means the power is on.
7. **(remote control signal receiver):** Receives signal. Aim the remote control at this spot on the monitor.
8. **(speakers):** These are the speakers (optional) for the 26-, 32-, 37-, and 42-inch monitors. The 23-inch monitor has internal speakers. (Refer to *Speakers* on page 7 for the applicable speaker part numbers.)

INSTALLING REMOTE CONTROL BATTERIES

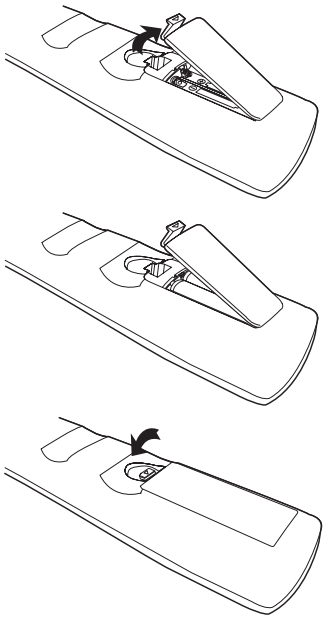

Figure 4. Battery Installation

Refer to Figure 4 for the following procedure.

1. Open and remove the battery cover on the back of the remote control.
2. Install two AAA size batteries (supplied). Match the + and – signs on the batteries to the signs on the battery compartment.
3. Close the battery cover. Make sure the lock snaps closed.

⚠ **WARNING:**

- Dispose of batteries in a designated disposal area. Do not throw batteries into a fire.
- Do not mix battery types.
- Remove dead batteries immediately to prevent battery acid from leaking into the battery compartment.
- Remove the batteries if you do not intend to use the remote control for a long period of time.

REMOTE CONTROL FUNCTIONS

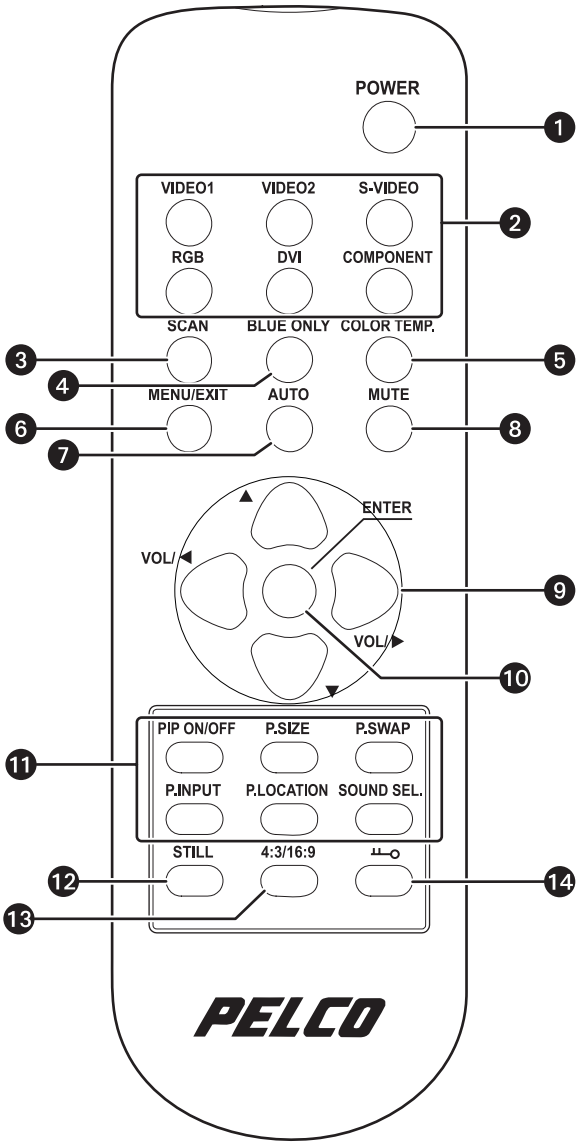

Figure 5. Remote Control Functions

1. **POWER:** Turns on or off power to the monitor.
2. **(input source):** Displays all the available input sources. Press the button to select the desired input source.
3. **SCAN:** Changes the scan mode of the screen (4:3, 14:9, Over Scan, 16:9).
4. **BLUE ONLY:** Turns off the red and green colors on the screen to allow color adjustment using professional calibration tools.
5. **COLOR TEMP:** Adjusts the color temperature (Kelvin) of the screen.
6. **MENU/EXIT:** Displays/exits the on-screen menu.
7. **AUTO:** Selects auto adjustment of the screen in RGB mode.
8. **MUTE:** Temporarily silences the sound. To return the sound: press MUTE again, VOL UP, or VOL DOWN.
9. **(volume up/down):** Controls the cursor in the on-screen menu, and also adjust the volume up or down.
10. **(enter):** Confirms (store or enter) your choice in the on-screen menu.
11. **(PIP):** Controls the PIP (picture-in-picture) as follows:
    - **PIP ON/OFF:** Activates/deactivates PIP mode. It also cycles through POP 4:3 and POP 16:9 while in RGB and DVI modes.
    - **P.SIZE:** Selects the size of the subpicture.
    - **P.SWAP:** Swaps the main and subpicture.
    - **P.INPUT:** Selects an input source for the subpicture.
    - **P.LOCATION:** Selects a location for the subpicture.
    - **SOUND SEL:** Adjusts the sound of the main or subpicture.
12. **STILL:** Freezes the current picture. (If used while in PIP or POP, the sub picture is frozen, not the main picture.)
13. **4:3/16:9:** Swaps the picture between 4:3 mode and 16:9 mode.
14. **(key lock):** Prevents unauthorized operation of the equipment by locking the buttons on the front panel. Only the buttons on the remote control can be used.

MENUS

The menus are the same for the PMCL523, PMCL526, PMCL532, PMCL537, and PMCL542. Since different options are available for different input types, some options may be unavailable and will be dimmed.

To use the menus:

1. Press the MENU button to access the Main menu.
2. Use the up and down arrow buttons to highlight a selection.
3. Press the MENU button to select an item.
4. Use the volume left and right arrow buttons to adjust the setting on a selected item.

VIDEO 1, VIDEO 2, S-VIDEO COMPONENT MODE MENU

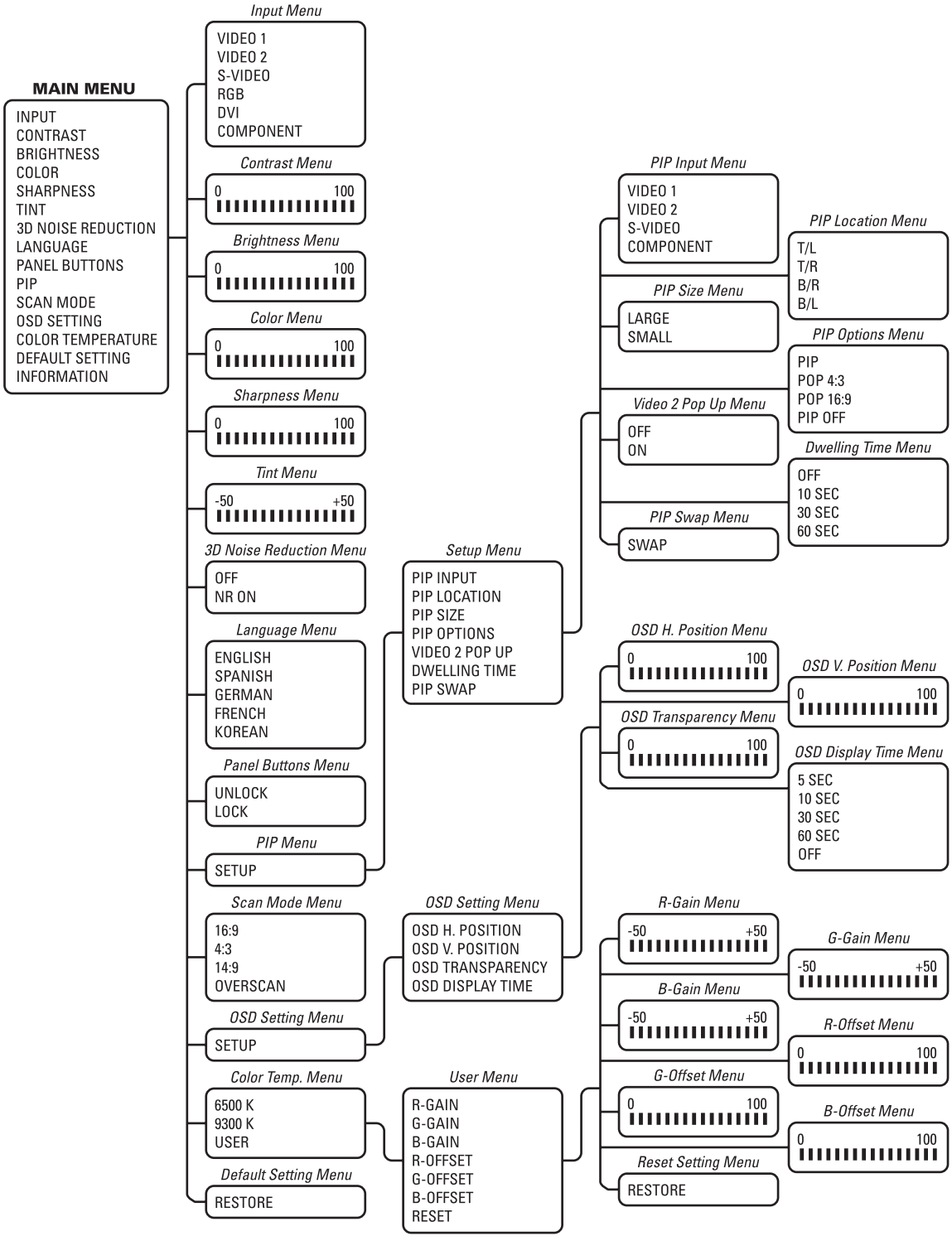

Figure 6. Video 1, Video 2, S-Video, Component Mode Menu

Video 1, Video 2, S-Video, Component Mode Menu Field Definitions

Input: Select VIDEO 1, VIDEO 2, S-VIDEO, or COMPONENT.

Contrast: Adjusts black level of the video screen image (0 to 100).

Brightness: Adjusts white level of the video screen image (0 to 100).

Color: Adjusts the color saturation of the video signal (0 to 100).

Sharpness: Adjusts the picture softer or sharper (0 to 100).

Tint: Adjusts the range of color: green to red (-50 to +50).

3D Noise Reduction: Reduces the background noise of the video signal (NR ON or OFF).

Language: Select ENGLISH, SPANISH, GERMAN, FRENCH, or KOREAN for the OSD display. Disabled when RGB and DVI input is selected.

Panel Buttons: Select UNLOCK or LOCK. Locks/unlocks the buttons on the front panel.

PIP: Select SETUP for the picture-in-picture. Then select one of the following:

- **PIP Input:** Select VIDEO 1, VIDEO 2, S-VIDEO, or COMPONENT.
- **PIP Location:** Select the PIP position as T/L (top left), T/R (top right), B/R (bottom right), or B/L (bottom left).
- **PIP Size:** Select the PIP size as LARGE or SMALL.
- **PIP Options:** Select PIP, POP 4:3, POP 16:9, or PIP OFF. (POP 4:3 and POP 16:9 are available only when in component mode.)
- **PIP Swap:** Select SWAP to interchange Main with PIP by pressing the ENTER button twice.

NOTES:

- When using POP 16:9, one image will be 16:9 while the other will be a 4:3 aspect ratio.
- PIP and POP modes only work with certain inputs. For example, you cannot use a component or DVI subpicture with an RGB as the main picture.

Scan Mode: Select 16:9, 4:3, 14:9, or OVERSCAN. (Dimmed in Video mode.)

OSD Setting: Select SETUP for the on-screen display. Then select one of the following:

- **OSD H.Position:** Adjusts the OSD horizontal position (0 to 100).
- **OSD V.Position:** Adjusts the OSD vertical position (0 to 100).
- **OSD Transparency:** Adjusts the OSD transparency (0 to 100). The lower the number, the more transparent the menu will become over the background.
- **OSD Display Time:** Select 5 SEC, 10 SEC, 30 SEC, 60 SEC, or OFF.

Color Temperature: Select 6500 K, 9300 K, or USER. If you select USER, then select from the following calibrations:

- **R-Gain:** Adjusts gain for red (-50 to +50).
- **G-Gain:** Adjusts gain for green (-50 to +50).
- **B-Gain:** Adjusts gain for blue (-50 to +50).
- **R-Offset:** Adjusts the offset (or cut) for red (0 to100).
- **G-Offset:** Adjusts the offset (or cut) for green (0 to 100).
- **B-Offset:** Adjusts the offset (or cut) for blue (0 to 100).
- **Reset:** Select Restore to return to the original color temperature settings.

Default Setting: Select Restore to return to the default settings.

Information: Select Information to access Pelco headquarters information.

RGB/DVI MODE MENU

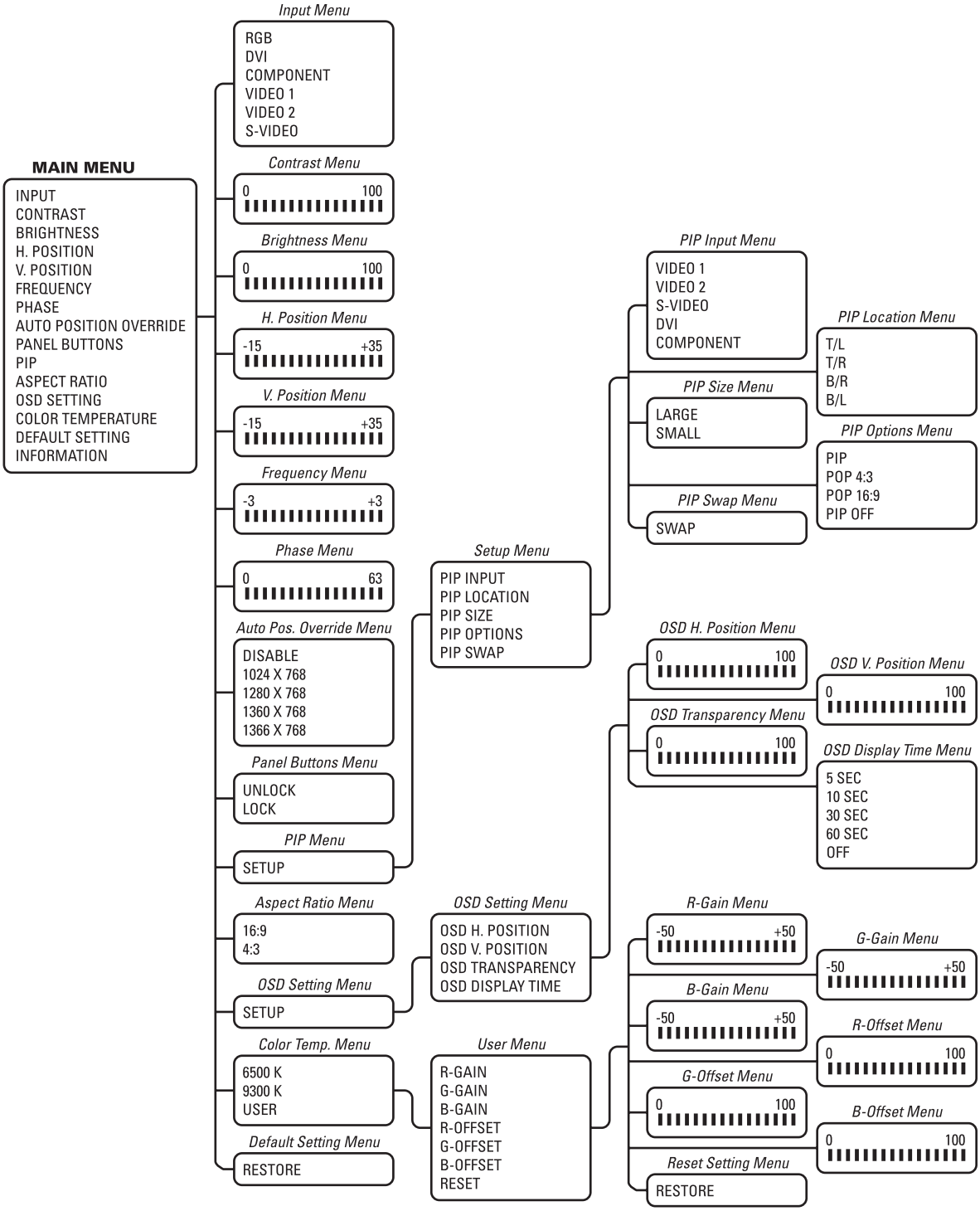

Figure 7. RGB/DVI Mode Menu

RGB/DVI Mode Menu Field Definitions

NOTE: You cannot change the language on this menu. You must use the Video1, Video2, S-Video, Component Mode Menu to change the language. The language will then be changed for both menus.

Input: Select RGB or DVI.

Contrast: Adjusts black level of the video screen image (0 to 100).

Brightness: Adjusts white level of the video screen image (0 to 100).

H-Position: (RGB only; dimmed in DVI mode.) Adjusts the horizontal position (-35 to +35).

V-Position: (RGB only; dimmed in DVI mode.) Adjusts the vertical position (-15 to +15).

Frequency: (RGB only; dimmed in DVI mode.) Adjusts the horizontal size of the screen image (-3 to +3).

Phase: (RGB only; dimmed in DVI mode.) Adjusts image distortion appearing as horizontal noise on the screen (0 to 63).

Auto Position Override: (May be dimmed.) Select DISABLE, 1024x768, 1280x768, 1360x768, or 1366x768. (If the display is distorted or shifted at a resolution of 1366 x 768, you should adjust the resolution here by manually selecting 1366 X 768.)

Panel Buttons: Select UNLOCK or LOCK. Locks/unlocks the buttons on the front panel.

PIP: Select Setup for the picture-in-picture. Then select one of the following:

- **PIP Input:** Select VIDEO 1, VIDEO 2, or S-VIDEO.
- **PIP Location:** Select the PIP position as T/L (top left), T/R (top right), B/R (bottom right), or B/L (bottom left).
- **PIP Size:** Select the PIP size as LARGE or SMALL.
- **PIP Options:** Select PIP, POP 4:3, POP 16:9, or PIP OFF.
- **PIP Swap:** Select SWAP to interchange Main with PIP. (Dimmed in DVI mode.)

NOTES:

- When using POP 16:9, one image will be 16:9 while the other will be a 4:3 aspect ratio.
- PIP and POP modes only work with certain inputs. For example, you cannot use a component or DVI subpicture with an RGB as the main picture.

Aspect Ratio: Select 16:9 or 4:3. (Dimmed in DVI mode.)

OSD Setting: Select Setup for the on-screen display. Then select one of the following:

- **OSD H.Position:** Adjusts the OSD horizontal position (0 to 100).
- **OSD V.Position:** Adjusts the OSD vertical position (0 to 100).
- **OSD Transparency:** Adjusts the OSD transparency (0 to 100). The lower the number, the more transparent the menu will become over the background.
- **OSD Display Time:** Select 5 SEC, 10 SEC, 30 SEC, 60 SEC, or OFF.

Color Temperature: Select 6500 K, 9300 K, or User. If you select User, then select from the following calibrations:

- **R-Gain:** Adjusts gain for red (-50 to +50).
- **G-Gain:** Adjusts gain for green (-50 to +50).
- **B-Gain:** Adjusts gain for blue (-50 to +50).
- **R-Offset:** Adjusts the offset (or cut) for red (0 to 100).
- **G-Offset:** Adjusts the offset (or cut) for green (0 to 100).
- **B-Offset:** Adjusts the offset (or cut) for blue (0 to 100).
- **Reset:** Select Restore to return to the original color temperature settings.

Default Setting: Select Restore to return to the default settings.

Information: Select Information to access Pelco headquarters information.

Maintenance

If the quality of the picture is poor and cannot be improved by making adjustments on the front control panel, inspect all system connections and cable runs.

WARNING: To reduce the risk of electrical shock, do not remove the cover or back of the monitor. No user-serviceable parts are inside. Refer servicing to qualified personnel, or contact the Pelco Customer Service Department (1-800-289-9100) for assistance. Refer to the *Product Warranty and Return Information* located on the inside back cover of this document.

CLEANING

- Gently wipe your screen with a clean camel hair brush or a soft, clean, lint-free cloth.
- Gently apply pressure to the screen surface to clean the display.
- Do not spray *any* liquid directly on the screen or the LCD monitor casing.
- Chemical cleaners can damage the screen or the LCD monitor casing.

TROUBLESHOOTING

INTERMITTENT LOSS OF VIDEO IN PIP/PBP AND MAIN VIDEO

Possible cause: In PAL, when using PIP or PBP, cycling through cameras (with one or more cameras out of operation) causes the monitor to auto adjust and locate the signal.

Remedy: Check your input devices. If there is a problem with a camera from another input device such as no power signal or bad video, then correct or disconnect the camera or device.

THE SUBPICTURE AND THE MAIN VIDEO INTERMITTENTLY SHOW THE SAME INPUT

Possible cause: The use of composite video input with switching (cycling) video.

Remedy: Turn on and off PIP.

A SECOND MENU APPEARS AFTER TEN SECONDS AND OVERLAPS THE MAIN MENU

Possible cause: When accessing the main menu, using the switching (cycling) video through the composite video input.

Remedy: Exit the menu, select an input that is not using switching video, and then access the menu.

Supported Input Modes

Mode	Resolution	H Freq. (kHz)	V Freq. (Hz)
0	720 x 400	31.469	70.000
1	640 x 480	31.460	50.000
2	640 x 480	31.500	60.000
3	640 x 480	37.700	72.000
4	640 x 480	37.500	75.000
5	640 x 480	43.300	85.000
6	800 x 600	35.100	56.000
7	800 x 600	37.900	60.000
8	800 x 600	48.100	72.000
9	800 x 600	46.900	75.000
10	800 x 600	53.700	85.000
11	1024 x 768	48.400	60.000
12	1024 x 768	56.500	70.000
13	1024 x 768	60.000	75.000
14	1024 x 768	64.000	80.000
15	1024 x 768	68.300	85.000
16	1280 x 1024	64.000	60.000
17	1366 x 768*	50.000	60.000

*If the display is distorted or shifted at a resolution of 1366 x 768, you should adjust the resolution in Auto Position Override on the on-screen display menu: MENU>AUTO POSITION OVERRIDE>1366 X 768.

Specifications

MODELS

PMCL523	23-inch (583 mm) LCD monitor
PMCL526	26-inch (660 mm) LCD monitor
PMCL532	32-inch (800 mm) LCD monitor
PMCL537	37-inch (940 mm) LCD monitor
PMCL542	42-inch (1,067 mm) LCD monitor

GENERAL

Native Resolution	1366 x 768 WXGA
Panel Aspect Ratio	16:9
Viewing Area	
PMCL523	508 x 286 mm
PMCL526	576 x 324 mm
PMCL532	698 x 392 mm
PMCL537	820 x 461 mm
PMCL542	930 x 523 mm
Pixel Pitch	
PMCL523	0.372 x 0.372 mm
PMCL526	0.422 x 0.422 mm
PMCL532	0.511 x 0.511 mm
PMCL537	0.600 x 0.600 mm
PMCL542	0.681 x 0.681 mm
Video Formats	480i, 480p, 576i, 576p, 720p, 1080i
Brightness	
PMCL523	450 cd/m^2
PMCL526, PMCL532, PMCL537, PMCL542	500 cd/m^2
Contrast Ratio	
PMCL523	800:1
PMCL526	1000:1
PMCL532	600:1
PMCL537	500:1
PMCL542	550:1
Backlight Type	
PMCL523	6 CCFL
PMCL526	8 CCFL
PMCL532	20 EEFL
PMCL537	16 CCFL
PMCL542	20 CCFL
Panel Life	50,000 hours
Viewing Angle (H/V)	178°/178°
Display Colors	16.7 million
PIP	Selectable, sizable, swappable, moveable
POP	Swappable
Response Time	8 ms
Speakers	
PMCL523	2 internal
PMCL526,PMCL532, PMCL537, PMCL542	Optional, 2 external
Front Panel Controls	Power, input/enter, menu/exit, up, down, volume minus, volume plus
Indicators	LED (power on/off)

ELECTRICAL

Input Voltage	100-240 VAC, 50/60 Hz
Power Consumption	
PMCL523	110 W
PMCL526	120 W
PMCL532	150 W
PMCL537	180 W
PMCL542	220 W
Input Interfaces	
Video	2 BNC, looping; 1 S-Video, looping; 1, RGB; 1 DVI; 1 component
Audio	2, audio L/R, RCA jack
Horizontal Frequency	31 kHz to 69 kHz
Vertical Frequency	56 kHz to 85 kHz
Sync Format	NTSC/PAL

PHYSICAL

Dimensions (with stand)	
PMCL523	9.0" D x 22.8" W x 16.1" H (22.8 x 57.8 x 41.0 cm)
PMCL526	9.0" D x 26.0" W x 18.0" H (22.8 x 66.0 x 45.8 cm)
PMCL532	7.3" D x 31.1" W x 21.7" H (18.6 x 79.1 x 55.0 cm)
PMCL537	11.9" D x 36.5" W x 25.0" H (30.2 x 92.8 x 63.4 cm)
PMCL542	11.9" D x 41.9" W x 28.7" H (30.2 x 106.3 x 72.8 cm)
Unit Weight (without stand)	
PMCL523	29.1 lb (13.2 kg)
PMCL526	35.7 lb (16.2 kg)
PMCL532	49.6 lb (22.5 kg)
PMCL537	68.3 lb (31.0 kg)
PMCL542	72.5 lb (32.9 kg)
Shipping Weight	
PMCL523	35 lb (15.5 kg)
PMCL526	42 lb (18.8 kg)
PMCL532	58 lb (26.3 kg)
PMCL537	83 lb (37.3 kg)
PMCL542	89 lb (40.2 kg)

ENVIRONMENTAL

Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Operating Humidity	20% to 80% noncondensing
Storage Humidity	10% to 90% noncondensing

OPTIONAL ACCESSORIES

PMCL-CM	Ceiling mount for PMCL523, PMCL526, PMCL532, PMCL537, PMCL542
PMCL-CMP	Ceiling mount for PMCL523, PMCL526, PMCL532, PMCL537, PMCL542
PMCL-WM1A	Articulating wall mount for PMCL523, PMCL526, PMCL532
PMCL-WM2A	Articulating wall mount for PMCL523, PMCL526, PMCL532
PMCP-WM	Fixed wall mount for PMCL537 and PMCL542
PMCL-WMT	Tilt wall mount for PMCL523, PMCL526, PMCL532
PMCL-VA	Adapter plate required for use with ceiling mounts for PMCL537 and PMCL542
PMCL-V100	Adapter plate (included with the PMCL526) that ensures compatibility with mounts for the PMCL526
PMCL-V200	Adapter plate (included with the PMCL532) that ensures compatibilty with mounts for the PMCL532
PMCL526-SPKRS	Optional speakers for PMCL526
PMCL532-SPKRS	Optional speakers for PMCL532
PMCL537-SPKRS	Optional speakers for PMCL537
PMCL542-SPKRS	Optional speakers for PMCL542
PMVR2	Multiviewer with 2 DVI and 2 VGA inputs, VGA or DVI output
PMVC4	Multiviewer with 4 composite inputs, VGA or DVI output

NOTE: Check the Pelco website (www.pelco.com) or ask a sales representative for available newer mounts as of the publication date of this manual.

PRODUCT WARRANTY AND RETURN INFORMATION

WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship **for a period of one year** after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on fiber optic products and TW3000 Series unshielded twisted pair transmission products.
- Three years on Spectra® IV products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Three years on PMCL200/300/400 Series LCD monitors.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra III™, Esprit®, ExSite®, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit and WW5700 Series window wiper (excluding wiper blades).
- Two years (except lamp and color wheel) on Digital Light Processing (DLP®) displays. The lamp and color wheel will be covered for a period of 90 days. The air filter is not covered under warranty.
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department
Pelco
3500 Pelco Way
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco
3500 Pelco Way
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors
473 Eccles Avenue
South San Francisco, CA 94080 USA
Phone: 650-737-1700
Fax: 650-737-0933

Green The materials used in the manufacture of this document and its components are compliant to the requirements of Directive 2002/95/EC.

This equipment contains electrical or electronic components that must be recycled properly to comply with Directive 2002/96/EC of the European Union regarding the disposal of waste electrical and electronic equipment (WEEE). Contact your local dealer for procedures for recycling this equipment.

REVISION HISTORY

Manual #	Date	Comments
C2937M	1/07	Original version.
C2937M-A	5/07	Added PMCL-V100 per ECO 07-17659.

Pelco, the Pelco logo, Camclosure, Esprit, Genex, Legacy, and Spectra are registered trademarks of Pelco.
Endura, ExSite, and Spectra III are trademarks of Pelco.
DLP is a registered trademark of Texas Instruments, Inc.

©Copyright 2007, Pelco. All rights reserved.

Worldwide Headquarters
3500 Pelco Way
Clovis, California 93612 USA

USA & Canada
Tel: 800/289-9100
Fax: 800/289-9150

International
Tel: 1-559/292-1981
Fax: 1-559/348-1120

www.pelco.com

ISO**9001**

Australia | Canada | Finland | France | Germany | Italy | Macau | The Netherlands | Russia | Singapore
South Africa | Spain | Sweden | United Arab Emirates | United Kingdom | United States